Type I Error (\$\alpha\$)
has a disease.
A medical test incorrectly indicates a healthy person
Example:
- The shaded red area in the plot under H■.
(e.g., 5.0%).
- Denoted by α (alpha) This is the significance level set by the researcher
Probability:
when H∎ is actually TRUE. You conclude an effect\difference exists, but it doesn't.
Occurs when you REJECT the Null Hypothesis (H■)
(=11) -: th- = th- TO II II II - th- TO II II II - th- TO II II II - th- TO II II II II - th- TO II II II II - th- TO II
Definition:

ROC Curve Examples (Smoother)
- AUC=1: Perfect. AUC=0.5: Random. Higher = Better.
- AUC: Area Under the Curve.
- Diagonal: Random guess.
- Top-Left Comer: Ideal.
Key Points:
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An ROC curve plots TPR vs. FPR at various threshold settings, showing a classifier's ability to distinguish classes.
Definition: Ap ROC curve plots TPR vs. FPR at various threshold settings
Understanding ROC Curves & AUC